

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011968

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B29C31/04 B29C43/08 B29C43/34 B29C31/10 B65D41/04
B65D47/08
//B29C43/52, B29C43/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B29C B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03/090989 A (SACMI COOPERATIVA MECCANICI IMOLA S.C.R.L; BATTILANI, MAURO) 6 November 2003 (2003-11-06) page 3, line 26 – page 10, line 25; figures	1-50, 65-69, 77,78
P, X	WO 03/090990 A (SACMI COOPERATIVA MECCANICI IMOLA S.C.R.L; PUCCI, FABRIZIO) 6 November 2003 (2003-11-06) page 4, line 9 – page 9, line 26; figures	1
X	US 5 807 592 A (ALIERI ET AL) 15 September 1998 (1998-09-15) cited in the application column 2, line 5 – line 38; figures	1-7, 34

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

^o Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

11 October 2005

Date of mailing of the International search report

27. 10. 2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 943 405 A (KELLER ET AL) 24 July 1990 (1990-07-24) cited in the application column 4, line 28 - column 5, line 27; figures 3,4 -----	41-50, 65-69, 77,78
A	US 4 913 871 A (KAWAGUCHI ET AL) 3 April 1990 (1990-04-03) column 5, line 66 - column 6, line 54; figures 2,3 -----	1-50, 65-69
A	GB 874 084 A (ETABLISSEMENTS ALCA) 2 August 1961 (1961-08-02) page 2, line 51 - page 3, line 5; figures -----	1
A	EP 1 293 332 A (SACMI COOPERATIVA MECCANICI IMOLA S.C.R.L) 19 March 2003 (2003-03-19) column 5, line 17 - line 39; figure 4 -----	1
A	US 3 135 019 A (AICHELE ERNEST O) 2 June 1964 (1964-06-02) column 5, line 33 - line 57; figure 1 -----	1
E	US 2005/067735 A1 (KAUFMAN BRETT) 31 March 2005 (2005-03-31) paragraphs '0047! - '0049!; figures 14-16 -----	58,70-76
X	US 4 873 045 A (FUJITA ET AL) 10 October 1989 (1989-10-10) column 1, line 15 - line 48; figures 5-8 -----	58,70,76
X	WO 02/057063 A (SACMI - COOPERATIVA MECCANICI IMOLA - SOC. COOP. AR.L; PARRINELLO, FIO) 25 July 2002 (2002-07-25) figures; example 1 -----	58,70,76
X	WO 01/68468 A (ALCOA CLOSURE SYSTEMS INTERNATIONAL, INC; LAVEAULT, RICHARD) 20 September 2001 (2001-09-20) page 9, line 19 - page 13, line 13; figures 3A-3G -----	72-74
X	FR 2 775 959 A (PLASTIQUES DE FRANCE INDUSTRIES) 17 September 1999 (1999-09-17) page 7, line 5 - line 22; figures 1-4 -----	72-74
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) & JP 09 216315 A (KISHIMOTO AKIRA), 19 August 1997 (1997-08-19) abstract -----	58,70-76
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/116879 A1 (MUELLER BRUCE M ET AL) 26 June 2003 (2003-06-26) paragraph '0103! – paragraph '0124!; figures 11-17 -----	70-75

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

1-50, 58, 65-69, 70-78

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-50, 65-69, 77, 78

Supporting a dose of material during feeding in the moulds

2. claims: 51-57

Severing a dose of material from an extruder

3. claims: 59-64

Conditioning a dose of material during feeding in the moulds

4. claims: 58, 70-76

Compression moulding multi-layered items

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011968

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